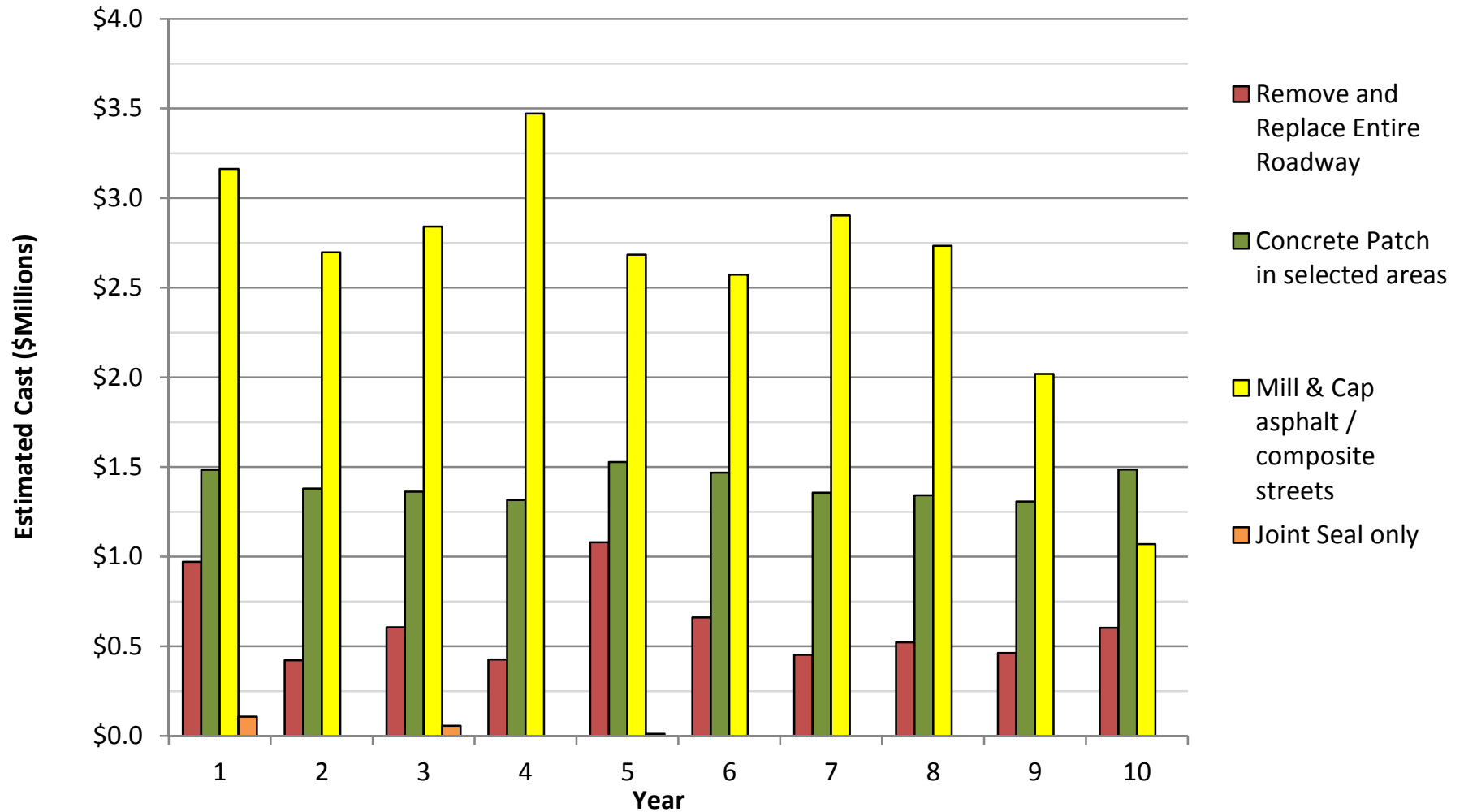


City of Royal Oak Road Millage Summary

10-Year Road Millage Plan						
Year	Total	% of Total	R&R	Conc. Patch	Mill and Cap	Joint Seal
1	\$5,726,912	12%	\$971,883	\$1,483,979	\$3,163,605	\$107,445
2	\$4,501,116	10%	\$422,411	\$1,380,717	\$2,697,988	\$0
3	\$4,866,543	10%	\$606,023	\$1,363,238	\$2,840,543	\$56,740
4	\$5,214,852	11%	\$426,835	\$1,315,812	\$3,472,205	\$0
5	\$5,303,833	11%	\$1,080,000	\$1,527,710	\$2,684,678	\$11,445
6	\$4,702,111	10%	\$661,266	\$1,467,872	\$2,572,973	\$0
7	\$4,712,807	10%	\$452,261	\$1,356,721	\$2,903,825	\$0
8	\$4,598,329	10%	\$522,497	\$1,342,332	\$2,733,501	\$0
9	\$3,789,174	8%	\$462,897	\$1,306,956	\$2,019,321	\$0
10	\$3,158,562	7%	\$603,476	\$1,485,290	\$1,069,796	\$0
Total:	\$46,574,238	100%	\$6,209,548	\$14,030,626	\$26,158,434	\$175,630

City of Royal Oak - 10 Year Millage Plan Costs



**City of Royal Oak Road Millage:
Remove and Replace Program**
(Streets to be entirely removed and replaced)

Act 51 Ineligible Segment Name	Starting at:	Ending at:	Section	PASER Rating	Estimated Cost	Schedule
Meijer Drive	Coolidge	End of Road	32	1	\$623,299	\$971,883 Year 1
McDonald Ave	W 12 Mile Rd	W Houstonia	9	1	\$168,353	
Nakota	Olivia	Mankato	6	2	\$180,231	
Edgewood Dr	Woodsboro Dr	Crooks Rd	16	1	\$187,059	\$422,411 Year 2
Linwood	Woodward Ave	W 12 Mile Rd	17	1	\$235,352	
Bermuda (Mohawk)	City/Twp Line	Mohawk & E 10 Mile Rd	22	0	\$8,926	\$606,023 Year 3
Mohawk	E I 696 & E I 696/Hilton Campbell RAMP	Lincoln	22	0	\$535,620	
E Harrison	Pavement Change	Batavia	22	1	\$21,659	
Samoset	Mankato	Mandalay	6	1	\$39,817	
Helene	E 10 Mile Rd	Guthrie	23	2	\$33,395	\$426,835 Year 4
E Hudson	Longfellow	Mohawk	22	2	\$57,102	
Batavia	E Harrison	E Lincoln	22	2	\$209,703	
Parkway Dr	Arden Pl	Woodward Ave	6	3	\$39,175	
Chester Rd	Ravena	Woodward Ave	6	3	\$41,744	
Fairview	Crooks Rd	Dead End or Start	9	3	\$45,716	
Sherman Dr	W 11 Mile	Forestdale Rd	16	2	\$1,080,000	\$1,080,000 Year 5
Benjamin	W 13 Mile Rd	Starr Rd	5	3	\$67,836	\$661,266 Year 6
Dallas	Lenox Ave	S Stephenson Hwy	23	3	\$53,164	
Massoit Rd	Cresthill	Hillcrest & Nakota	5	3	\$76,423	
Kalama	Helene	S Stephenson Hwy	23	3	\$120,735	
Lockwood Rd	Crane	Catalpa Dr	16	3	\$107,313	
Woodland	W Webster Rd	Glenwood Rd	8	3	\$111,744	
Edgewood Dr	Catalpa Dr	W Derby Ave	16	3	\$124,050	
N Wilson	E Farnum	Forest	15	3	\$134,880	\$452,261 Year 7
Durham Rd	Pavement Change	Pavement Change	5	3	\$140,167	
S Blair	E Lincoln	E 6th St	22	3	\$177,214	
Linwood	W Webster Rd	Elmhurst	8	3	\$343,534	\$522,497 Year 8
Yorba Linda Blvd	Pavement Change	Fairmont Rd	6	4	\$20,551	
Ravena	Chester Rd	Attribute Change	6	4	\$44,312	
Ravena	Pavement Change	Hampton Blvd	6	4	\$50,735	
Bonnie View Dr	Lloyd	Northwood Blvd & Oliver Rd	9	4	\$63,365	
E Bloomfield	Rochester Rd	N Alexander	10	4	\$171,470	\$462,897 Year 9
E Harrison	S Main	Morse	22	4	\$291,428	
Hunter	Woodward Ave	Pavement Change	6	5	\$80,403	\$603,476 Year 10
Starr Rd	Woodward Ave	Hampton Blvd	6	5	\$178,272	
W Houstonia	Maplewood	Evergreen Dr & Bonnie View Dr	8	5	\$263,852	
W 6th St	West	Lafayette	21		\$80,950	

\$6,209,548

Streets to be completely removed and replaced have generally been sequenced starting with the streets in the worst condition and progressing to less deteriorated streets.

City of Royal Oak Road Millage Summary

Concrete Patch Program

Year	Section	Cost	Total Cost	% of Total Cost
1	3	\$635,843	\$1,483,979	10.6%
	10	\$629,123		
	14	\$219,014		
2	15	\$417,474	\$1,380,717	9.8%
	23	\$672,939		
	22	\$290,304		
3	21	\$138,950	\$1,363,238	9.7%
	16	\$356,865		
	17	\$71,677		
	7	\$232,444		
	9	\$563,301		
4	8	\$633,727	\$1,315,812	9.4%
	6	\$682,085		
5	5	\$886,166	\$1,527,710	10.9%
	32	\$454,092		
	4	\$187,452		
6	3	\$618,590	\$1,467,872	10.5%
	10	\$623,086		
	14	\$226,196		
7	15	\$410,804	\$1,356,721	9.7%
	23	\$647,633		
	22	\$298,284		
8	21	\$138,851	\$1,342,332	9.6%
	16	\$349,668		
	17	\$69,279		
	7	\$226,250		
	9	\$558,284		
9	8	\$626,665	\$1,306,956	9.3%
	6	\$680,291		
10	5	\$878,427	\$1,485,290	10.6%
	32	\$410,827		
	4	\$196,036		
\$14,030,626			100%	

Concrete streets with individual deficient sections of concrete will be replaced.

City of Royal Oak Road Millage Summary

Mill & Cap and Curbing Program

Year	Section	Cost	Total Cost	% of Total Cost
1	16	\$1,799,061	\$3,163,605	12%
	17	\$188,176		
	9	\$1,176,368		
2	8	\$1,255,069	\$2,697,988	10%
	7	\$61,872		
	6	\$1,381,047		
3	5	\$1,394,090	\$2,840,543	11%
	32	\$78,227		
	4	\$471,880		
	3	\$431,211		
	10	\$304,541		
	14	\$160,593		
4	15	\$1,237,148	\$3,472,205	13%
	23	\$218,314		
	22	\$2,016,744		
5	21	\$1,084,541	\$2,684,678	10%
	16	\$1,600,137		
6	17	\$192,894	\$2,572,973	10%
	9	\$1,136,304		
	8	\$1,243,775		
7	6	\$1,379,238	\$2,903,825	11%
	5	\$1,406,959		
	32	\$117,628		
8	4	\$428,916	\$2,733,501	10%
	3	\$399,152		
	10	\$287,937		
	14	\$159,345		
	15	\$1,206,707		
	23	\$251,445		
9	22	\$2,019,321	\$2,019,321	8%
10	21	\$1,069,796	\$1,069,796	4%
			\$26,158,434	100%

Asphalt and Composite (asphalt over concrete base) pavement that will have the asphalt milled 2 to 3.5 inches and capped with new asphalt. Joint sealing maintenance two years after paving is included in this program. Curb and gutter will be replaced on these streets as necessary.

City of Royal Oak Road Millage Summary

Joint Sealing Program

Year	Section	Cost	Total Cost	% of Total Cost
1	15	\$42,606	\$107,445	61%
	16	\$38,543		
	17	\$7,487		
	22	\$18,810		
2	-	\$0	\$0	0%
3	22	\$53,805	\$56,740	32%
	14	\$2,935		
4	-	\$0	\$0	0%
5	21	\$11,445	\$11,445	7%
6	-	\$0	\$0	0%
7	-	\$0	\$0	0%
8	-	\$0	\$0	0%
9	-	\$0	\$0	0%
10	-	\$0	\$0	0%
			\$175,630	100%

Joint sealing for streets with asphalt or composite pavement that is in good condition and only requires joint sealing. This program is separate from the joint sealing included in the "Mill & Cap" program.